

REMARKS

Claims 1-23, 25-31, and 33-47 are pending. Claims 24 and 32 are cancelled without prejudice. Claims 1-15 are allowed. Claims 18-24 and 32-47 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all limitations of the base claim and any intervening claims. Claims 16-17, 25-26, and 27-28 are rejected under 35 U.S.C. § 102(e). Claims 29-31 and 48-49 are rejected under 35 U.S.C. § 103(a).

Claim 24 depends directly from independent claim 16. Claim 16 is rewritten to include the limitations of claim 24. Claim 24 is cancelled without prejudice. Thus, claims 16-17 and 25-26 are patentable under 35 U.S.C. § 102(e).

Independent claims 27 and 29, as amended, describe data processing logic (Claim 27) and a digital data processor (Claim 29) having normal and low-power modes and including a first latch for latching a data signal, a second latch coupled to said first latch for retaining said data signal while said first latch is inoperative, and a transfer device connected between said first and second latches for transferring said data signal between said first and second latches. Claims 27 and 29 further recite "said transfer device transferring said data signal from said first latch to said second latch at initiation of said low-power mode and not transferring said data signal from said first latch to said second latch in said normal mode." This method of transferring data at the beginning of the low-power mode is described at page 8, lines 14-17. By way of contrast, Clark et al. disclose transfer devices 170 and 180 always operate in normal mode to store data in shadow latch 120 (Figures 2-4). Additional power is necessary, therefore, to store data in both latches (130/140 and 120). Thus, Clark et al. do not anticipate claims 27-28 under 35 U.S.C. § 102(e). Furthermore, claims 29-30 are not obvious under 35 U.S.C. § 103(a) in view of Clark et al.

Claim 32 depends directly from independent claim 31. Claim 31 is rewritten to include the limitations of claim 32. Claim 32 is cancelled without prejudice. Claims 33-35 and 45-46 are

rewritten to depend directly from independent claim 31. Thus, claims 31 and 48-49 are patentable under 35 U.S.C. § 103(a).

In view of the foregoing, applicants respectfully request reconsideration and allowance of claims 16-23, 25-31, and 33-47. If the Examiner finds any issue that is unresolved, please call applicants' attorney by dialing the telephone number printed below.

Respectfully submitted,



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